

Name: \_\_\_\_\_  
Parent Signature: \_\_\_\_\_

### **Unit 2 Test Preparation Table**

Fill in the table below to help organize your preparation for the Unit Two test!  
Remember that you should be spending TWENTY minutes per day on studying, including this  
**WEEKEND!**

Date	Item(s)	Start/End Time	Comments/Questions
<b>Monday, Dec 11</b>			
<b>Tuesday, Dec 12</b>			
<b>Wednesday, Dec 13</b>			
<b>Thursday Dec 13 TEST DAY ☺</b>			

**Studying Checklist**

**Directions:** In **addition** to your study guide, please complete at check off **at least 2-3 other** activities in preparation for your test on Monday, Thursday Dec 13<sup>st</sup>.

\_\_\_ **Required:** Complete the **Study Guide** in its entirety.

\_\_\_ Attend **tutorial**. You must sign up in advance.

\_\_\_ REDO problems from your homework/quizzes you did not answer correctly the first time.

\_\_\_ Complete EXAMPLE problems from each lesson without looking at the answer until it's time to check.

\_\_\_ Complete HOMEWORK EXERCISES from each lesson (Lesson pages listed below). **\*Answers to some odd problems are in the back of the book\***

\_\_\_ Take the online lesson quizzes from the textbook (see codes below).

\_\_\_ Watch online video tutors on phschool.com (see codes below)

\_\_\_ Email Ms. Pike/Ms. Minera with any questions

Lesson	Topic	Online Video Code	Online Quiz Code
3-1	Patterns	aqe-0301	aqa-0301
3-2	Evaluating Expressions	aqe-0302	aqa-0302
3-3	Translating Expressions	aqe-0303	aqa-0303
3-4	Solving Equations using Mental Math	aqe-0304	aqa-0304
3-5	Solving Addition Equations	aqe-0305	aqa-0305
3-6	Solving Subtraction Equations	aqe-0306	aqa-0306
3-7	Solving Multiplication/Division Equations	aqe-0307	aqa-0307
3-1 to 3-4	Checkpoint Quiz 1 p. 129	n/a	n/a
3-5 to 3-6	Checkpoint Quiz 2 p. 137	n/a	n/a
All	Chapter 3 Review p. 150-151	n/a	n/a
All	Chapter 3 Test p. 152-153	n/a	n/a

## **CHAPTER 3 TEST STUDY GUIDE**

### **Lessons 3-1 through 3-7**

#### **Lesson 3-1- Describing a Pattern**

1) Complete each pattern:

A: 5, 10, 20,

\_\_\_\_\_, \_\_\_\_\_  
B: 15, 30, 60 ,

\_\_\_\_\_, \_\_\_\_\_

2) Which statement is true about Patterns A and B?

- a) Each term in Pattern A is 3 times the corresponding term in Pattern B
- b) Each term in Pattern B is double the corresponding term in Pattern A
- c) Each term in Pattern B is 3 times the corresponding term in Pattern B

#### **Lesson 3-2- Variables and Expressions**

Evaluate each expression. Show all of your work.

**3)**  $8c + 12$  for  $c=6$

**4)**  $5t - 4 + h$  for  $t=8$  and  $h = 15$

**5)**  $6(5h)$  for  $h=3$

#### **Lesson 3-3- Writing Algebraic Expressions-** Write an expression for each word phrase.

**7)** 12 increased by  $y$

**8)** 15 less than 3 times  $m$

**10)** Three times the sum of 5 and  $m$

**11)** The quotient of 18 and  $x$

#### **Lesson 3-4 Using Number Sense to Solve One-Step Equations-** Tell whether the value of $x$ in each equation makes each equation is true or false. If it is false, please provide the correct solution.

<b>12)</b> $15 + x = 30$ $x = 45$	<b>13)</b> $21 \div x = 7$ $x = 3$	<b>14)</b> $6x = 24$ $x = 3$
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**Lessons 3-5 to 3-7 Solving One-Step Equations-** Use the words below to fill in the blanks. Then, read through the paragraph carefully as a reminder of how to solve a one-step equation.

*True    Balanced    Isolate    Substitute    Inverse*

- 15)** When solving a one-step equation your goal is to \_\_\_\_\_ the variable and keep the equation \_\_\_\_\_. You usually do this by using the \_\_\_\_\_ operation to solve for the missing variable. To check your work, \_\_\_\_\_ your solution into the original equation to make sure that it makes the equation \_\_\_\_\_.

Show your work to **solve** and **check** each equation below.

Solve	Check	Solve	Check
<b>16)</b> $r - 1,078 = 4,562$		<b>17)</b> $7 = 5.6 + x$	
<b>18)</b> $d - 2.16 = 3.9$		<b>19)</b> $15h = 450$	
<b>20)</b> $v \div 1.5 = 7.2$		<b>21)</b> $t \div 4 = 32$	

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Complete this progress tracker **after** we check our answers for the Study Guide. Use this as a way to focus your studying.

	Tracking Progress			
Lesson	Skill/Concept	Got It!	Almost !	Need to Review!
3-1	Describing a Pattern			
3-2	Variables and Expressions			
3-3	Writing Algebraic Expressions			
3-5	Solving Addition Equations (Missing Addend)			
3-6	Solving Subtraction Equations (Missing Minuend)			
3-7	Solving Multiplication Equations (Missing Factor)			
3-7	Solving Division Equations (Missing Dividend)			

Space for Extra Practice

